FORM 33, JULY 1966 — SOLICITATION, OFFER, AND AWARD

1. CONTRACT (Proc. Inst. Ident.) NO.

2. SOLICITATION NO. N00156-68-B-0771 — [X] ADVERTISED (IFB) [ ] NEGOTIATED (RFP)

3. DATE ISSUED: 10MAY68

6. REQUISITION/PURCHASE REQUEST NO.: ACED 80832

7. ISSUED BY — CODE

NAVAL AIR ENGINEERING CENTER
PHILADELPHIA, PA. 19112

8. ADDRESS OFFER TO (If other than block 7)

SOLICITATION

9. Sealed offers in original and ONE copies for furnishing the supplies or services described in the Schedule will be received at the [illegible] OR IF HAND-CARRIED, IN THE DEPOSITARY LOCATED IN Purc. Div., Bldg. 76, 2nd Fl. until 1:00 PM EDT (Time, Zone)

In this is an advertised solicitation, offers will be publicly opened at that time. CAUTION—LATE OFFERS. See par. 8 of Solicitation Instructions and Conditions. All offers are subject to the following:

1. The attached Solicitation Instructions and Conditions, SF 33A.
2. The General Provisions, SF 32 JUN 64 edition, which is attached or incorporated herein by reference.
3. The Schedule included below and/or attached hereto.
4. Such other provisions, representations, certifications, as are attached or incorporated herein by reference are listed in the Schedule.)

FOR INFORMATION CALL (Name and Telephone No.) (No collect calls.): 215-755-3432 Miss R. Goodman

SCHEDULE

10. ITEM NO.	11. SUPPLIES/SERVICES	12. QUANTITY	13. UNIT	14. UNIT PRICE
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	SECTION 1.0 - SUPPLIES OR SERVICES & PRICES	SECTION 5.0 - INSPECTION AND ACCE		
	SECTION 2.0 - DESCRIPTION OR SPECIFICATIONS	SECTION 6.0 - GENERAL PROVISIONS		
	SECTION 3.0 - PACKING, PACKAGING & MARKING	SECTION 7.0 - NOTICE TO OFFERORS		
	SECTION 4.0 - DELIVERIES	SECTION 8.0 - OTHER PROVISIONS		

OFFER (NOTE: Reverse Must Also Be Fully Completed By Offeror)

In compliance with the above, the undersigned offers and agrees, if this offer is accepted within ___ calendar days (60 calendar days period is inserted by the offeror) from the date for receipt of offers specified above, to furnish any or all items upon which prices price set opposite each item, delivered at the designated point(s), within the time specified in the Schedule.

16. DISCOUNT FOR PROMPT PAYMENT

____% 10 CALENDAR DAYS; ____% 20 CALENDAR DAYS; ____% 30 CALENDAR DAYS; ____% ____ CALENDAR

17. OFFEROR NAME & ADDRESS (Street, city, county, state, & ZIP Code) — CODE — FACILITY CODE

Area Code and Telephone No.:

[ ] Check If Remittance Address Is Different From Above - Enter Such Address In Schedule

18. NAME AND TITLE OF PERSON AUTHORIZED TO SIGN OFFER (Type or Print)

19. SIGNATURE

AWARD (To Be Completed By Government)

21. ACCEPTED AS TO ITEMS NUMBERED	22. AMOUNT	23. ACCOUNTING AND APPROPRIATION DATA
24. SUBMIT INVOICES (4 copies unless otherwise specified) TO ADDRESS SHOWN IN BLOCK ____		25. NEGOTIATED PURSUANT TO: [ ] 10 U.S.C. 2304(a)( ) [ ] 41 U.S.C. 252(c)( )
26. ADMINISTERED BY (If other than Block 7) — CODE		27. PAYMENT WILL BE MADE BY — CODE
28. NAME OF CONTRACTING OFFICER (Type or Print)		29. UNITED STATES OF AMERICA BY: ____ (Signature of Contracting Officer)

NAVC OVERPRINT A(1-67) Award will be made on this form, or on Standard Form 26, or by letter notice.

SPECIFICATION FOR SHARK PROTECTION SCREEN ASSEMBLY

1. Assembly. The complete assembly shall consist of a shark protection screen packed in a sealed coated fabric container with an easy opening feature as shown in Figure 2.

2. Materials. The materials used in the fabrication of the shark protection screen shall conform to the requirements specified herein.

2.1 Screen Materials. The fabric used to construct the inflatable tubes, screen body, and container shall be a nominal 5.4 ounce/sq.yd. neoprene coated nylon fabric, (Chemical Rubber Company's No. 2998). Tapes used in construction of the screen assembly shall be lightweight neoprene gum tape or fabric tape ~~conforming to the manufacturer~~.

2.2 Cement. Neoprene cement conforming to MIL-A-5540 Class 1, 2 or 3 shall be used to construct the shark protective screen. Color of the cement shall approximately match non-specular sea-blue No. 35042 of FED-STD-595, CHANGE 2.

2.3 Oral Inflation Tube. An oral inflation tube assembly, IN ACCORDANCE WITH ~~similar in design to that~~ shown in Figure 3, shall be provided. The tubing material that connects to the inlet of the oral valve SHALL may be plastic and the internal diameter of the plastic tubing shall make a snug fit with the outside diameter of the oral valve. The oral valve shall be secured to the inflatable tubes by a 40 durometer angle flange Pam Company Part No. 601 as shown in Figure 3. The angle flange shall be secured to the inflatable tubes by cementing. Tubes shall be located approximately as shown in Figures 1 and 3.

2.4 Oral Valve. An oral valve, ~~such as the~~ Halkey-Roberts No. 40-AL, shall be used in that the open-close feature of the valve shall be a screw type. The oral valve shall be attached to the angle flange, Pam Part No. 601, as shown in Figure 3. The angle flange shall be secured to the inflation tubes as shown in Figure 3.

2.5 Oral Tube Holder Loop. A holder loop of the same material as the inflatable tube shall be provided as shown in Figure 3.

2.6 Construction.

2.6.1 Shark Protection Screen.

a. The shark protection screen assembly shall be water tight. The inflation portion of the screen shall be air tight.

b. The number of seams to construct the shark protection screen shall be held to a minimum. The exterior surface of the completed screen shall present a smooth, watertight surface with no sharp corners, edges, projections, or loose material.

c. The inflatable portion OF THE shark protective screen shall be constructed to the ~~approximate~~ measurements indicated in Figure 1. Inflatable tube size shall be measured when the tubes are inflated to 1 psig air pressure.

d. Seam construction of the inflatable portion shall be of the conventional type or at manufacturer's choice to achieve the requirements of b. above. However, the screen body seams shall be sealed on the outside with 1 inch wide tape.

2.6.2 Shark Screen Container. A container shall be provided for each shark protection screen. The inflatable tubes shall be deflated to vacuum and the screen assembly shall be folded and compressed to make the smallest possible package before installing in the container. The containers shall be provided with two 1/4 inch diameter vent holes as shown in Figure 2 to provide relief of entrapped air at high altitudes. The container shall make a tight fit over the enclosed screen so as to prevent excessive bulging of the container from expansion at altitude. The container shall be sealed with a 1 inch wide cemented tape with a 2 inch long pull tab to permit opening.

2.7 Package Size. The maximum size of the shark protection screen sealed within the container shall be 6"x6"x1". The manufacturer is encouraged to minimize the package size.

2.8 Color. The color of the shark protection screen (inflatable tubes, screen body and container) shall approximately match non-specular sea-blue No. 35042 of FED-STD-595, ~~It is important that~~ the color be dull and lusterless.

ITEM NO.	SUPPLIES/SERVICES	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	SECTION 1.0 - SUPPLIES OR SERVICES AND PRICES				
1.	SHARK PROTECTION SCREEN ASSEMBLY: To be in accordance with the requirements specified in Attachment A hereto entitled "Specifications for Shark Protection Screen Assembly".	52	ea.		
	SECTION 2.0 - DESCRIPTION OR SPECIFICATIONS				
	See Section 1.0.				
	SECTION 3.0 - PACKING, PACKAGING AND MARKING				
	703 MARKING OF SHIPMENTS (OCT. 1963) The contractor shall mark all its shipments under this contract in accordance with the current edition of "Military Standard Marking for Shipment and Storage MIL-STD-129", issued by the Department of Defense. The applicable lot or item number, or both, shall be included in the marking prescribed for each shipment in addition to the contract number. NPD 7-104.500				
	707: PRESERVATION, PACKAGING AND PACKING: (For Domestic Shipment) For domestic shipment in accordance with Contractor's standard practice for safe transportation to destination at the lowest freight classification rate.				
	Clause 703.2 MARKING OF WARRANTED ITEM: Each individual package to be furnished hereunder as an item of delivery shall be marked as follows: WARRANTED ITEM: The item furnished herewith is covered by a warranty. If an item is found to be defective, notify the Contracting Officer, Naval Air Engineering Center, Philadelphia, Penna., 19112 (Code AS-73), for remedial action.				

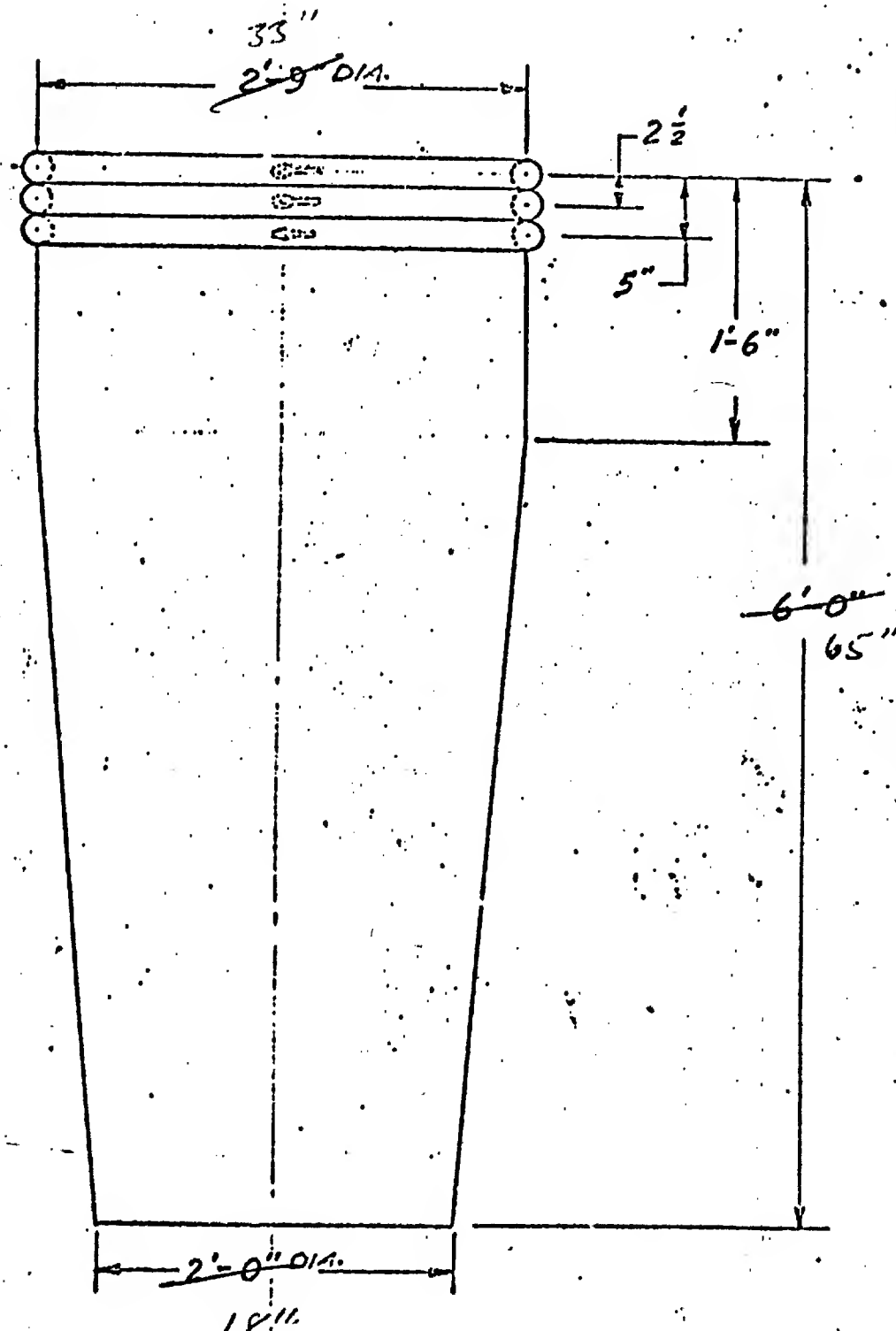


FIG. 1

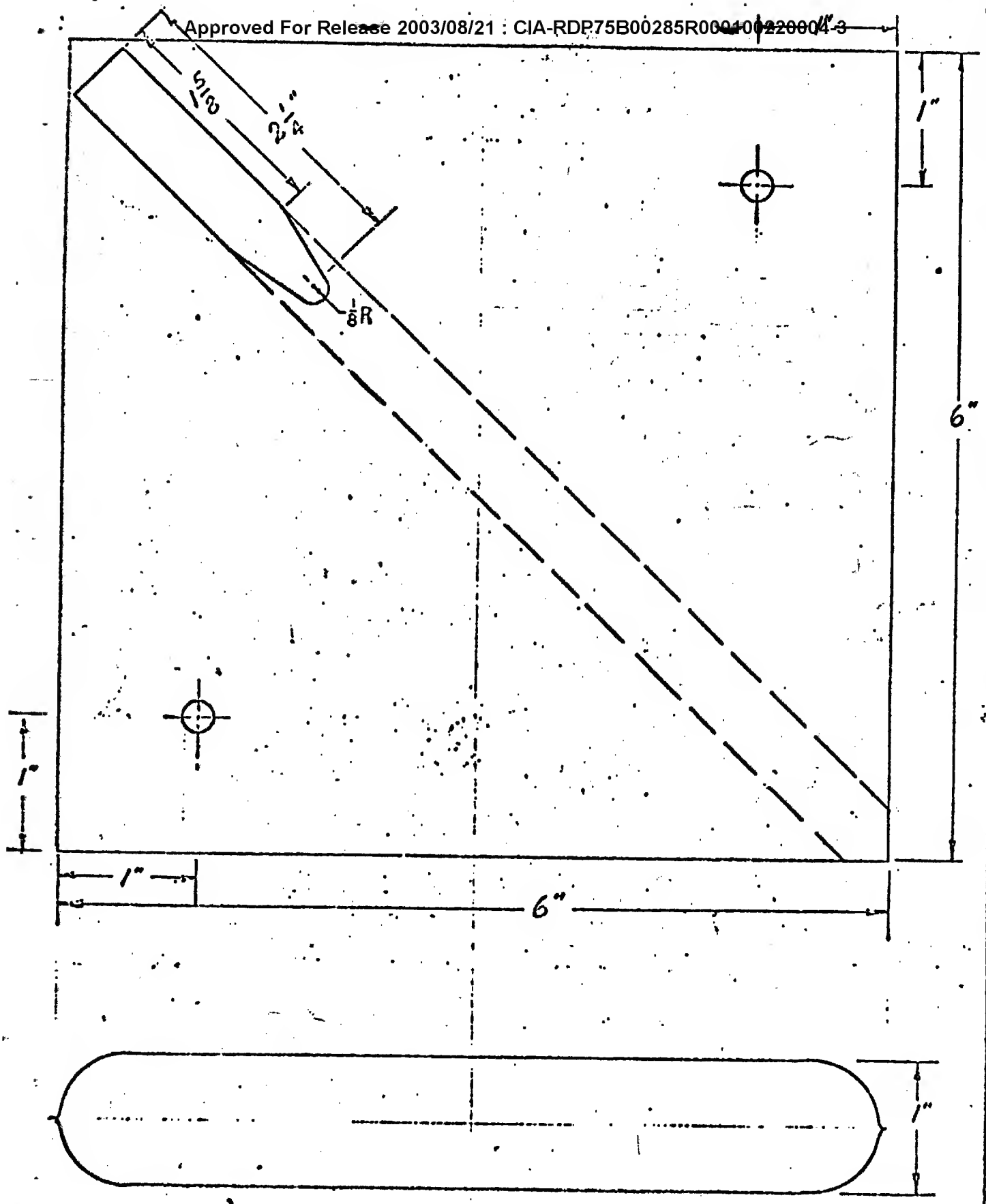
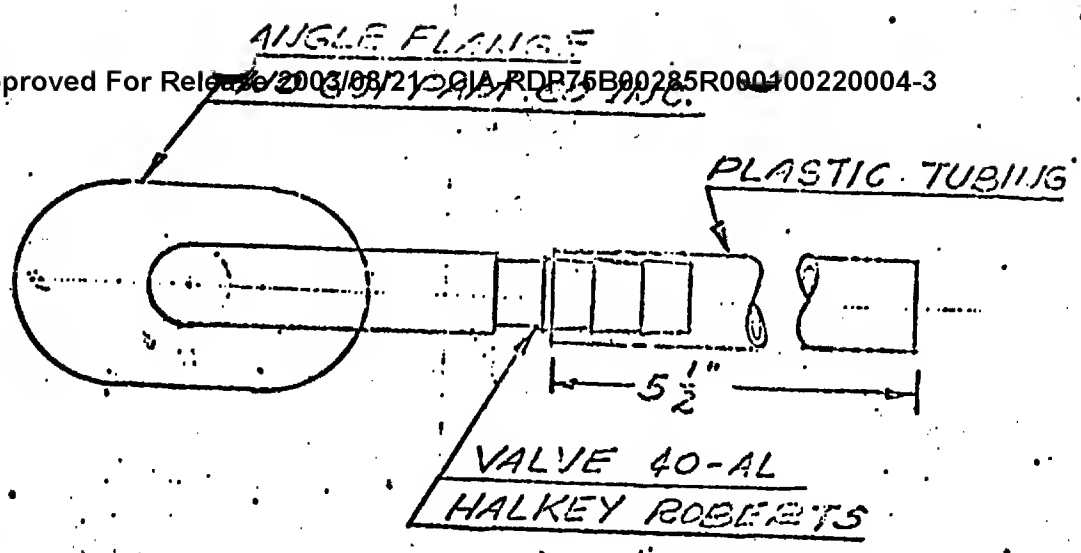
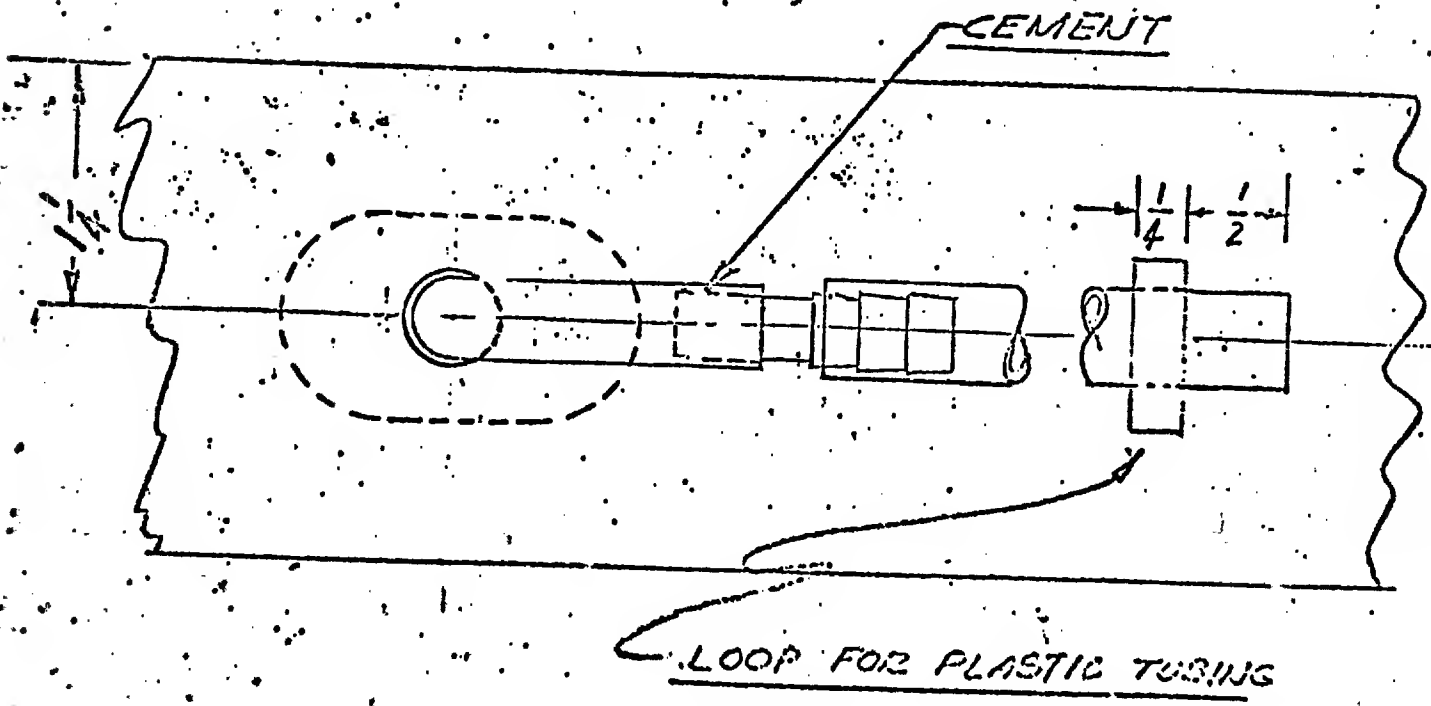


FIG. 2

SHEET 4 OF 5



ORAL VALVE



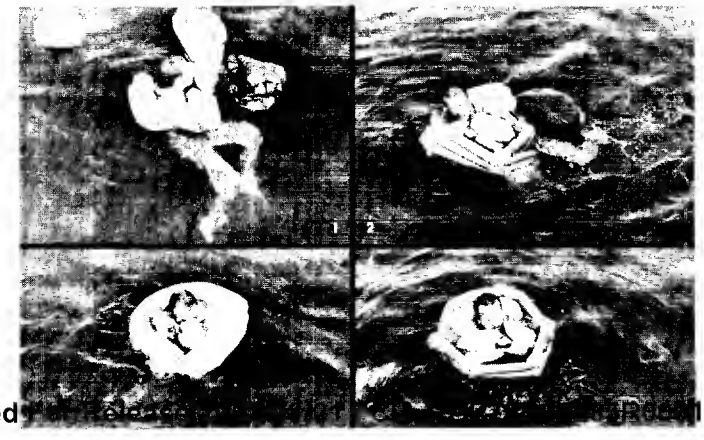
Approved For Release 2003/08/21 : CIA-RDP75B00285R000100220004-3

FIG 3

SHEET 5 OF 5

SHARK SCREEN

SHARK



The fear of shark attack is ever present for downed airmen and other castaways in the warm-ocean areas of the world. SHARK SCREEN, a new idea in shark deterents, is designed to eliminate this fear. It is a large bag made of a thin, strong, very light material, with inflatable collars at the top. When not in use, the device folds into a small package to be carried with a life vest or other survival gear.

In the water, the collars of SHARK SCREEN are inflated orally, two to three breaths being required for each. The castaway then climbs inside and scoops water into the bag by pushing down and out on the top and completely extending the bottom.

Safely inside the water-filled SHARK SCREEN, the occupant is completely concealed, From the outside, the underwater portion of the SHARK SCREEN is a large, solid-looking, bulky object which conceals dangling arms and legs and retains blood or other substances likely to stimulate a shark's olfactory system and heighten the possibility of attack.

SHARK SCREEN has been tested against several species of dangerous sharks in both the Atlantic and Pacific Oceans, and has proved to be the most effective shark attack deterrent yet tested. The tests were conducted under contract by Cornell University and the University of Hawaii, with the supervision of Perry W. Gilbert, Ph.D., and A. L. Tester, Ph.D. Dr. Gilbert is chairman and Dr. Tester a member of the Shark Research Panel of the American Institute of Biological Sciences.

Of the several colors tested, dark, dull tones were approached much more reluctantly by sharks seeking bait than were lighter-colored, more reflective ones. The inflatable collars can be brightly colored for visibility and to aid rescue.

When the SHARK SCREEN was evaluated at the Naval Missile Center, Point Mugu, in Spring 1969, its value as survival gear was found to include use as a sleeping bag, pup tent, lean-to, stretcher, and solar still.

The work on SHARK SCREEN originated at the Naval Ordnance Test Station, China Lake, California. In July 1967, research in shark deterrents was transferred to the Naval Undersea Research and Development Center, created following a reorganization of Navy laboratories. Technical support is being provided from the Center's Independent Exploratory Development and Exploratory and Foundational Research funds.

SHARK SCREEN PROJECT MANAGER: C. SCOTT JOHNSON, Ph.D.
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